



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/782,021

DATE: 07/21/2004

TIME: 09:25:36

Input Set : A:\PC25700A.ST25.txt
 Output Set: N:\CRF4\07212004\J782021.raw

3 <110> APPLICANT: Pfizer, Inc.
 4 Katugampola, Sidath Dhammadika
 6 <120> TITLE OF INVENTION: TREATMENT OF HYPERTENSION
 8 <130> FILE REFERENCE: PC25700A
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/782,021
C--> 10 <141> CURRENT FILING DATE: 2004-02-19
 10 <150> PRIOR APPLICATION NUMBER: 60/454,052
 11 <151> PRIOR FILING DATE: 2003-03-12
 13 <160> NUMBER OF SEQ ID NOS: 6
 15 <170> SOFTWARE: PatentIn version 3.2
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 1197
 19 <212> TYPE: DNA
 20 <213> ORGANISM: homo sapiens
 22 <400> SEQUENCE: 1

ENTERED

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25 ggctgcccgg gctgtggcgc caacgcctcg	gacggcccaag tcccttcgc	ccggggccgt	120
27 gacgcctggc tcgtgccgct	cttcttcgcg	gctgtatgc	180
29 tcgttgtca tctacgtcat	ctgcgcac	aagccatgc	240
31 atgcacaacc tggcgccac	ggacgtgacc	ttcctctgt	300
33 ctgctgttacc cgctgccccg	ctgggtgctg	ggcgacttca	360
35 atccagcagg tctcggtgca	ggccacgtgt	gccactctga	420
37 tggtaacgtga cggtgttccc	gttgcgcgccc	ctgcaccggc	480
39 gctgtcagcc tcagcatctg	ggtaggtctt	gcccgggtgt	540
41 caccgcctgt caccggggcc	gcccggccat	tgcagtgagg	600
43 gagcgcgcct tcgcactgta	caacctgtt	cgtgttacc	660
45 tgcgcctgtat	atgcggccat	ctggggccgg	720
47 gccgatagcg ccctgcaggg	gcaggtgctg	gcagagcgcg	780
49 gtctcgccgc tggtggccgc	cgtggctctg	cttttcgc	840
51 ctgttcctgg tgctgcaggc	actggggccc	gctgtgggg	900
53 gcctacgcgc ttaagacctg	ggctcaactgc	atgttctaca	960
55 ctgctctacg ctttcctggg	ctgcacttc	gcaactccgc	1020
57 ggcgcgcgc gccccggcgc	ccccggccgg	gctgaacccgc	1080
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65 <211> LENGTH: 1188			
66 <212> TYPE: DNA			
67 <213> ORGANISM: Rattus norvegicus			
69 <400> SEQUENCE: 2			
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72 ggatccccgg gctgcgggtgt	caatgcctcg	gatggcccaag	120
74 gatgcctggc tggtggccct	gttttgcgt	gcccataatgt	180

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76	tcactggta tcttcgttat ctggcccac aagcacatgc agaccgtcac caatttctac	240
78	atcgctaacc tggccgcac agatgtcaact ttcccttctgt gtcgcgtacc cttcaccgcg	300
80	ctccctatac cgctggccac ctgggtgctg ggagacttca tgtcaaatt cgtcaactac	360
82	atccaggcagg tctcggtgca agccacatgt gccacttga cagccatgag tggaccgc	420
84	tggtaacgtga ctgtttccc gtcgcgtca ttccaccgc gcactccgcg cttggccctg	480
86	actgtcagcc tttagcatctg ggtgggttcc gcagctgtt ccggcccggt gctggctctg	540
88	caccgcctgt cgccccggcc tcacacctac tgcaagtgagg cgttcccgag ccgtgcctg	600
90	gagcgcgtt tcgcgtctca caacctgtgc gccctataacc tgctgcgcgt gctgcgcacc	660
92	tgcgcctgtc acggtgccat gtcgcgcac ctggccgcg ccgtgtacg cccgcaccc	720
94	actgatggcg ccctgcagg gcagctgta gcacagcgcg ctggagcagt ggcacccaag	780
96	gtctcccgcc tggtgccgc tgctgtccctg ctcttcggc cctgctgggg cccgatccag	840
98	ctgttccctgg tgcttcaagc cctgcgcgtc gggggcctgg caccctcgaa gctatgcgc	900
100	tacgcgtca agatctggc tcaactgcgt tgcttacagca attctgcgtt caaccgcgt	960
102	ctctatgttcc ttctgggttc ccacttcaga caggcctct gccgcgtgtg cccctgcgc	1020
104	ccgcaacgccc agcgtcgcc ccacgcgtca ggcactcgg accgagccgc accccatagt	1080
106	gtgccgcaca gcccggctgc gcaccctgtc cgggtcagga ccccccggcc tgggaacct	1140
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112	<211> LENGTH: 1191	
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114	<213> ORGANISM: Mus musculus	
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121	gatgcctggc tgggtccctt gttttcgct acactcatgt tgcttgggtt ggtcgaaac	180
123	tcattggta tctacgttat ctggcccac aagcacatgc agacagttac caacttctac	240
125	atcgctaacc tggctgccc acagctcaact ttccctactgt gtcgcgtgc ttccaccgc	300
127	ctcctctacc cgctgcccgc ctgggtgctg ggagacttca tgtcaaatt cgtcaactac	360
129	atccaggcagg tctcggtgca agccacatgt gccactctga cgccatgag tggaccgc	420
131	tggatgtga ctgtttccc gtcgcgtca ttccaccgc gcaactccgcg cttggccctg	480
133	gctgtcagcc tcagcatctg ggtgggtca gcagctgtt ccggcccggt gttggccctg	540
135	caccgcgtgt cgccaggccc tcgcacctac tgcaagcgagg ctttcccgcc ccgcgcctg	600
137	gagcgcgcct tcgcgtctca caacctgtc gtcgtatatac tgctgcgcgt gtcgcacc	660
139	tgcgcgtgt acggcccat gtcgcgcac ctggccgtg cggctgtacg cccgcaccc	720
141	actgacggcg ccctgcaggg acagctgta gcacagcgcg ccggagcagt ggcacccaag	780
143	gtctcccgcc tggtgccgc tgctgtctg ctcttcggc cctgctgggg cccgatccag	840
145	ctgttccctgg tgcttcaagc cttggccccc tcggggccctt ggcaccctcg aagctatgcc	900
147	gcctacgcgg tcaagatctg ggctcaactgc atgtcctaca gcaactcgcc gtcacatccg	960
149	ctgcgtctatg ctttcctggg ttcaacttc agacaggct ttcgcgcgt tgccctgc	1020
151	tgcggcaac gcccgcgc gccccacacg tcagcgcact cggaccgagc tgcaactcac	1080
153	actgtgcgc acagccgtgc tgcaaccctt gtgcggatca ggagccggaa gcttggaaac	1140
155	cctgtggtgc gtcgcctg cgctcagagt gaacgcactg cttcaactctg a	1191
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159	<211> LENGTH: 398	
160	<212> TYPE: PRT	
161	<213> ORGANISM: Homo sapiens	
163	<400> SEQUENCE: 4	
165	Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro	
166	1	5
		10
		15

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169 Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
 170 20 25 30
 173 Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
 174 35 40 45
 177 Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
 178 50 55 60
 181 Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
 182 65 70 75 80
 185 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
 186 85 90 95
 189 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp
 190 100 105 110
 193 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
 194 115 120 125
 197 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
 198 130 135 140
 201 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
 202 145 150 155 160
 205 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
 206 165 170 175
 209 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser
 210 180 185 190
 213 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
 214 195 200 205
 217 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
 218 210 215 220
 221 Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro
 222 225 230 235 240
 225 Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala
 226 245 250 255
 229 Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
 230 260 265 270
 233 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
 234 275 280 285
 237 Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu
 238 290 295 300
 241 Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro
 242 305 310 315 320
 245 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg
 246 325 330 335
 249 Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Arg Pro Gly
 250 340 345 350
 253 Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu His Arg Leu Gly Ser
 254 355 360 365
 257 His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala
 258 370 375 380
 261 Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu
 262 385 390 395
 265 <210> SEQ ID NO: 5

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266 <211> LENGTH: 395
 267 <212> TYPE: PRT
 268 <213> ORGANISM: Rattus norvegicus
 270 <400> SEQUENCE: 5
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 276 Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly
 277 20 25 30
 280 Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe
 281 35 40 45
 284 Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
 285 50 55 60
 288 Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr
 289 65 70 75 80
 292 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
 293 85 90 95
 296 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Thr Trp Val Leu Gly Asp
 297 100 105 110
 300 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala
 301 115 120 125
 304 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr
 305 130 135 140
 308 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu
 309 145 150 155 160
 312 Thr Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro
 313 165 170 175
 316 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro His Thr Tyr Cys Ser
 317 180 185 190
 320 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn
 321 195 200 205
 324 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr
 325 210 215 220
 328 Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro
 329 225 230 235 240
 332 Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala
 333 245 250 255
 336 Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe
 337 260 265 270
 340 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu
 341 275 280 285
 344 Pro Leu Gly Gly Leu Ala Pro Ser Lys Leu Cys Ala Tyr Ala Leu Lys
 345 290 295 300
 348 Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro Leu
 349 305 310 315 320
 352 Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg Val
 353 325 330 335
 356 Cys Pro Cys Gly Pro Gln Arg Gln Arg Arg Pro His Ala Ser Ala His
 357 340 345 350
 360 Ser Asp Arg Ala Ala Pro His Ser Val Pro His Ser Arg Ala Ala His

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361	355	360	365
364	Pro Val Arg Val Arg Thr Pro Glu Pro Gly Asn Pro Val Val His Ser		
365	370	375	380
368	Pro Ser Val Gln Asp Glu His Thr Ala Pro Leu		
369	385	390	395
372	<210> SEQ ID NO: 6		
373	<211> LENGTH: 396		
374	<212> TYPE: PRT		
375	<213> ORGANISM: Mus musculus		
377	<400> SEQUENCE: 6		
379	Met Ala Thr Glu Ala Thr Leu Ala Pro Asn Val Thr Trp Trp Ala Pro		
380	1 5 10 15		
383	Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Asp		
384	20 25 30		
387	Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe		
388	35 40 45		
391	Phe Ala Thr Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile		
392	50 55 60		
395	Tyr Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr		
396	65 70 75 80		
399	Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val		
400	85 90 95		
403	Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Ala Trp Val Leu Gly Asp		
404	100 105 110		
407	Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala		
408	115 120 125		
411	Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr		
412	130 135 140		
415	Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu		
416	145 150 155 160		
419	Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro		
420	165 170 175		
423	Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Thr Tyr Cys Ser		
424	180 185 190		
427	Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn		
428	195 200 205		
431	Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr		
432	210 215 220		
435	Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro		
436	225 230 235 240		
439	Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala		
440	245 250 255		
443	Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe		
444	260 265 270		
447	Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu		
448	275 280 285		
451	Gly Pro Ser Gly Ala Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Val		
452	290 295 300		
455	Lys Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro		

VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date